

## Product datasheet for **RC230241**

### STK23 (SRPK3) (NM\_001170761) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK23 (SRPK3) (NM_001170761) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK23
Synonyms:	MSSK-1; MSSK1; STK23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230241 representing NM\_001170761  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCGCCAGCACGGGGCGGTGGTGGGGACAGCGCGGCAGCGGGCAGTAGCAGCAGCTCACAGGCC  
 CCTGCGGGCCCGAGTCTCGGGCTCCGAACTAGCCCTGGCCACACCGGTGCCTCAGATGCTGCAGGGCCT  
 TCTGGGCTCCGACGACGAGGAACAGGAAGACCCAAAGACTACTGCAAGGGCGGCTACCACCTGTGAAG  
 ATCGGCGACGTGTTCAATGGGCGGTACCACGTGGTGCGCAAAGTGGGCTGGGGCCACTTCTCCACCGTCT  
 GGCTCTGCTGGGACATCCAGCGCAAGCGCTTTGTGGCCCTCAAAGTGGTGAAGAGTGCAGGGCATTACAC  
 GGAGACAGCTGTGGATGAGATCAAGCTCCTGAAATGTGTCCGGGACAGCGACCCAGTGACCCAAAAGA  
 GAGACCATTGTCCAGCTCATTGATGACTCAGGATCTCAGGAGTCAATGGAGTCCATGTGTGCATGGTGC  
 TGGAGGTGCTGGCCACCAGCTCCTCAAATGGATCATCAAGTCCAAGTACCAGGGCCTGCCCGTGCCTG  
 CGTGAAGAGCATCGTGAGGCAGGTGCTGCACGGCCTGGACTACCTCCACACCAAGTGCAAGATCATCCAC  
 ACGGACATCAAGCCCAGAACATCTTGCTGTGTGTGGGGACGCTTACATCAGGGCCTGGCTGCCGAGG  
 CCACGGAGTGGCAACAGGCAGGGGCGCCGCCCCCTCCCGCTCCATAGTCAGCACTGCCCCAGGAGGT  
 CTTGACCGGTAAGCTGTCCAAAACAAGAGGAAGAAGTAGAGGCGCAAACGGAAACAGCAGAAGCGGCTG  
 CTGGAGGAGCGGCTGCGGGACCTGCAGAGGCTGGAGGCCATGGAGGCTGCCACCCAGGCTGAGGACTCTG  
 GCTTGAGACTAGACGGGGCAGCGGCTCCACATCCTCTTCAGGCTTCTCCGGCTCCCTCTTCTCTCTGC  
 CTCCTGCTCCATCCTCTCCGGCTCGTCCAATCAGCGAGAGACCGGGGCCCTCTGTCCGCTAGCACACCA  
 TTCGGTGCCTCGAACCTCCTGGTGAACCCCTGGAGCCCCAAAATGCAGATAAGATCAAGATCAAGATCG  
 CAGACTGGGCAACGCCTGCTGGGTGCACAAGCACTTCACGGAAGACATCCAGACTCGGCAGTACCGGGC  
 CGTCGAGGTGCTGATCGGCGCCGAATACGGCCCCCGGACAGACATCTGGAGCACAGCCTGCATGGCCTTC  
 GAGCTGGCCACTGGTACTACCTGTTCCAGCCGATTCTGGAGAAGACTACAGTCGTGATGAGGACCACA  
 TCGCTCACATAGTGGAGCTTCTGGGGACATCCCCCAGCCTTCGCCCTCTCAGGCCGCTATTCCCGGGA  
 GTTCTTCAACCGGAGAGGAGAGCTGCGGCACATCCACAATCTCAAGCACTGGGGCCTGTACGAGGTACTC  
 ATGAAAAGTACGAGTGGCCCTAGAGCAGGCCACACAGTTCAGCGCCTTCTGTGCCATGATGGAGT  
 ACATCCCCGAAAAGCGGGCCAGTGCCGCTGACTGCCTCCAGCACCCCTGGCTCAACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230241 representing NM\_001170761  
 Red=Cloning site Green=Tags(s)

MSASTGGGGDSGGSGSSSSSQASCGPESSELALATPVPQMLQGLLGSDDDEEQEDPKDYCKGGYHPVK  
 IGDVFNTRYHVVRLGWGHFSTVWLCWDIQRKRFVALKVVKSAHYTETAVIDEIKLLKCVRSDSPDPKR  
 ETIVQLIDDFRISGVNGVHVMVLEVLGHQLLKWIIKSNYQGLPVPCKSIVRQVLHGLDYLHTKCKIIH  
 TDIKPENILLCVGDAYIRRLAAEATEWQQAGPPPSRSIVSTAPQEVLTGKLSKNRKKMRRKRKQKRL  
 LEERLRDLQRLEAMEAATQAEDSGLRLDGGSGSTSSSGFSGSLFSPASCSILSGSSNQRETGGLSPSTP  
 FGASNLLVNPLEPQNADKIKIKIADLGNACWVHKHFTEDIQTRQYRAVEVLIGAEYGPADIWSTACMAF  
 ELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPPAFALSGRYSREFFNRRGELRHIHNLKHVGLYEV  
 MEKYEWPLEQATQFSAFLLPMMEYIPEKRASAADCLQHPWLN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8065\\_h05.zip](https://cdn.origene.com/chromatograms/mk8065_h05.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001170761

**ORF Size:** 1599 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001170761.1](#), [NP\\_001164232.1](#)

**RefSeq ORF:** 1602 bp

**Locus ID:** 26576

**UniProt ID:** [Q9UPE1](#)

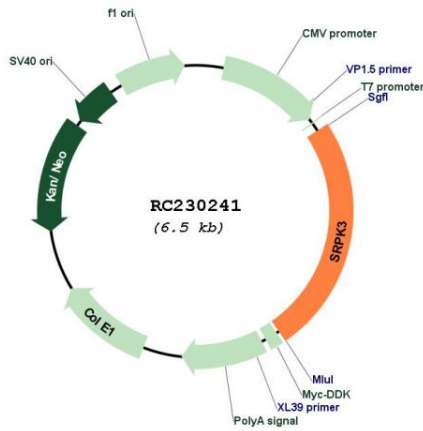
**Cytogenetics:** Xq28

**Protein Families:** Druggable Genome, Protein Kinase

**MW:** 59.4 kDa

**Gene Summary:** This gene encodes a protein kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. A highly similar protein has been shown to play a role in muscle development in mice. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]

**Product images:**



Circular map for RC230241